

**Flood Control Project Maintenance
Levee Inspections**

Fall 2018 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

LD0001G	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Levee District No. 0001 (Glenn County)	M *	12.23						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	1.15%				
Trim / Thin Trees	0.12		0.12	0.98%				
Encroachments	0.01		0.01	0.08%	0.40	1.10		
Animal Control	0.30	0.10	0.70	5.72%				
Slope Stability	0.01		0.01	0.08%				
Flood Preparedness & Training	0.12		0.12	0.98%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.16			
DWR UCIP LMA Responsibility								
<i>LMA Totals:</i>	0.70	0.10	1.10	8.99% *	0.56	1.10	0.00	0.00
Unit No. 01 Sacramento River RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
LD0001G	M *	12.23						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.14		0.14	1.15%				
Trim / Thin Trees	0.12		0.12	0.98%				
Encroachments	0.01		0.01	0.08%	0.40	1.10		
Animal Control	0.30	0.10	0.70	5.72%				
Slope Stability	0.01		0.01	0.08%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.16			
DWR UCIP LMA Responsibility								
<i>Unit Totals:</i>	0.58	0.10	0.98	8.01% *	0.56	1.10	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Fall 2018 Levee Inspection Results****Levee District No. 0001 (Glenn County)**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than
10.00%; however, U Rated Miles are present,
so the Overall LMA Rating is M instead of A.

†

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2018 Levee Inspection Results

Levee District No. 0001 (Glenn County)

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	12.23
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	3/8/2018 - 3/8/2018		9/25/2018 - 9/25/2018	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Jason Enos LD1G		Jason Enos LD1G	

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start		Rating **	A	Issue No.	5
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_5				
Comment Code					
Inspector Comment					
The LMA has copies of the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_9				
Comment Code					
Inspector Comment					
The LMA has adequate emergency supplies and equipment.					

No Photos

LM Start		Rating **	M	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_LD0001G_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA has not completed the flood fight training in the last 10 years.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.02	Rating **	M	Issue No.	73
LM End	0.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.477372 °	39.477833 °
				-122.017602 °	-122.017484 °
DWR ID	DWR_LD0001G_01_s_2016_73				
Comment Code					
EQ : Equipment					
Inspector Comment					
Remove ag equipment at LS toe.					

Photo 1 of 1 : FA_2018_LD0001G_432_73_20180905_00027.jpg



View of the prunings pile and ag equipment at the landside toe.

LM Start	0.05	Rating **	M	Issue No.	40
LM End	0.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.477833 °	39.477833 °
				-122.017484 °	-122.017484 °
DWR ID	DWR_LD0001G_01_s_2016_40				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings at LS toe.					

Photo 1 of 1 : FA_2018_LD0001G_432_40_20180905_00010.jpg



View of the prunings along the landside slope and toe.

LM Start	0.25	Rating **	M	Issue No.	41
LM End	0.25	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.480769 °	39.480769 °
				-122.017301 °	-122.017301 °
DWR ID	DWR_LD0001G_01_f _ 2015_41				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove tree from the waterside slope.					

Photo 1 of 2 : FA_2018_LD0001G_432_41_20180905_00011.jpg



View of the tree on the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.25	Rating **	M	Issue No.	41 (cont)	
LM End	0.25	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.480769 °		39.480769 °
				-122.017301 °		-122.017301 °
DWR ID	DWR_LD0001G_01_f_2015_41					
Comment Code						
TR : Tree or limb						
Inspector Comment						
Remove tree from the waterside slope.						

Photo 2 of 2 : FA_2018_LD0001G_432_41_20180905_00012.jpg



View of the fallen tree on the waterside slope looking upstream.

LM Start	0.77	Rating **	M	Issue No.	396	
LM End	0.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.487806 °		39.487806 °
				-122.019414 °		-122.019414 °
DWR ID	22893					
Comment Code						
Inspector Comment						
FS_ID:14324 DS_ID:22893 EP_NO: 11782 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/29/2013 - Siphon breaker missing from WS shoulder (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3-inch galvanized steel water pipe through the levee, 2 feet below the crown. There is a hose bib style siphon breaker on the waterside (WS) shoulder. A pipe runs from the concrete sump next to the barn on the landside (LS) to a cesspool off of the WS toe. (Permit No. 11782, 1976 - Carriere Brothers). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013						

Photo 1 of 3 : UCIP_FA_2018_14324_23564.jpg



3-inch pipe at cesspool off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.77	Rating **	M	Issue No.	396 (cont)	
LM End	0.77	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.487806 °	39.487806 °	
				-122.019414 °	-122.019414 °	
DWR ID	22893					
Comment Code						
Inspector Comment						
FS_ID:14324 DS_ID:22893 EP_NO: 11782 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/29/2013 - Siphon breaker missing from WS shoulder (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3-inch galvanized steel water pipe through the levee, 2 feet below the crown. There is a hose bib style siphon breaker on the waterside (WS) shoulder. A pipe runs from the concrete sump next to the barn on the landside (LS) to a cesspool off of the WS toe. (Permit No. 11782, 1976 - Carriere Brothers). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013						

LM Start	0.77	Rating **	M	Issue No.	396 (cont)
LM End	0.77	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_14324_23563.jpg



Concrete sump next to barn off LS toe.

Photo 3 of 3 : UCIP_FA_2018_14324_23562.jpg



Concrete sump next to barn off LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.80	Rating **	M	Issue No.	397
LM End	0.80	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.488160 °	39.488160 °
				-122.019888 °	-122.019888 °
DWR ID	22894				
Comment Code					
Inspector Comment					
FS_ID:14325 DS_ID:22894 EP_NO: 1837 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 5/29/2013 - Gasline appears abandoned, need to verify abandonment or mark actual pipe location. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 3-inch gas pipeline of an unknown material through the levee, 2 feet below the crown. Fenced in pumping plant area next to levee with appurtenances. (Permit No. 1837, 1953 - Sunray Oil Corporation). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013					

LM Start	0.80	Rating **	M	Issue No.	397 (cont)
LM End	0.80	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_14325_23568.jpg



Gas pumping plant and appurtenances.

Photo 2 of 3 : UCIP_FA_2018_14325_23567.jpg



Possible pipe at crossing, LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	0.92	Rating **	M	Issue No.	61
LM End	0.92	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.489718 °	39.489718 °
				-122.020650 °	-122.020650 °
DWR ID	DWR_LD0001G_01_f_2018_61				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the pruning from the waterside toe.					

Photo 1 of 1 : FA_2018_LD0001G_432_61_20181105_00114.jpg



View of the prunings along the waterside toe.

LM Start	1.01	Rating **	M	Issue No.	43
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.490963 °	39.490963 °
				-122.020510 °	-122.020510 °
DWR ID	DWR_LD0001G_01_f_2016_43				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Trim trees to at least 5 feet above the ground for visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	1.09	Rating **	M	Issue No.	398	
LM End	1.09	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.492090 °	39.492090 °	
				-122.020014 °	-122.020014 °	
DWR ID	22895					
Comment Code						
Inspector Comment						
FS_ID:14326 DS_ID:22895 EP_NO: 2171 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Need to determine disposition of this pipe. FIELD_STRUCT_DESC: 1 of 2: 3-inch gas pipeline of an unknown material through the levee, 2 feet below the crown. (Permit No. 2171, 1955 - Sunray Mid-Continent Oil Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013						

No Photos

LM Start	1.09	Rating **	C	Issue No.	74
LM End	1.17	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.492090 °	39.492090 °
				-122.020014 °	-122.020014 °
DWR ID	DWR_LD0001G_01_s_2016_74				
Comment Code					
AV : Abandoned vehicles					
Inspector Comment					
The vehicles and equipment were removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	1.11	Rating **	M	Issue No.	4
LM End	1.11	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.491887 °	39.494572 °
				-122.020238 °	-122.017840 °
DWR ID	DWR_LD0001G_01_s_2012_4				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_4_20180905_00001.jpg



View of unpermitted building LS toe.

LM Start	1.15	Rating **	M	Issue No.	58
LM End	1.15	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.492788 °	39.492788 °
				-122.019437 °	-122.019437 °
DWR ID	DWR_LD0001G_01_s_2015_58				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings at WS toe.					

Photo 1 of 1 : FA_2018_LD0001G_432_58_20180905_00020.jpg



View of the prunings along the waterside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	1.25	Rating **	M	Issue No.	399
LM End	1.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.493977 °	39.493977 °
				-122.018380 °	-122.018380 °
DWR ID	22896				
Comment Code					
Inspector Comment					
FS_ID:14327 DS_ID:22896 EP_NO: 2171 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Appears abandoned as well off LS toe has been removed. Need to remove from levee or mark as appropriate. FIELD_STRUCT_DESC: 2 of 2: 3-inch gas pipeline of an unknown material through the levee, 2 feet below the crown. Abandoned gas pumping station 260 feet off the landside (LS) toe. (Permit No. 2171, 1955 - Sunray Mid-Continent Oil Company). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013					

Photo 1 of 1 : UCIP_FA_2018_14327_23569.jpg



Gasline markers near where removed pumping plant was located.

LM Start	1.28	Rating **	M	Issue No.	60
LM End	1.28	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.494368 °	39.494368 °
				-122.018048 °	-122.018048 °
DWR ID	DWR_LD0001G_01_f_2018_60				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

Photo 1 of 1 : FA_2018_LD0001G_432_60_20181105_00112.jpg



View of the prunings along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	1.32	Rating **	A/W	Issue No.	6
LM End	1.36	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.494828 °	39.495330 °
				-122.017632 °	-122.017163 °
DWR ID	DWR_LD0001G_01_s_2012_6				
Comment Code					
V6 : Landscaping					
Inspector Comment					
Landscaping Permit No. 13057					

Photo 1 of 1 : FA_2018_LD0001G_432_6_20180905_00002.jpg



View of the permitted landscape on the landside slope of the levee.

LM Start	1.97	Rating **	M	Issue No.	400	
LM End	1.97	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.499823 °	39.499823 °	
				-122.009971 °	-122.009971 °	
DWR ID	22897					
Comment Code						
Inspector Comment						
FS_ID:14328						
DS_ID:22897						
EP_NO: 14759						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: Appears to have been abandoned. Should be removed or marked as necessary.						
FIELD_STRUCT_DESC: 4-inch natural gas pipeline of an unknown material through the levee, 0.17 feet below the crown. (Permit No. 14759, 1987 - TXO Production Corporation). [Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 5/29/2013						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	401	
LM End	2.22	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.501690 °	39.501690 °	
				-122.006100 °	-122.006100 °	
DWR ID	22898					
Comment Code						
Inspector Comment						
FS_ID:14331						
DS_ID:22898						
EP_NO: 5717A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Pipe abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 8-inch asbestos cement irrigation pipe sleeved						
through a 12-inch pipe through the levee, 5 feet below the crown. Pump						
located on the landside (LS). Meter pole located on the LS toe. Guy						
wire anchor in LS slope. (Permit No. 5717-A, 1969 - W. A. Carriere).						
[Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 5/29/2013						

LM Start	2.22	Rating **	M	Issue No.	401 (cont)
LM End	2.22	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_14331_23579.jpg



Pump at LS toe with no connection to 8-inch pipe.

Photo 2 of 2 : UCIP_FA_2018_14331_23578.jpg



8-inch pipe visible at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402
LM End	2.22	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.501690 °	39.501690 °
				-122.006099 °	-122.006099 °
DWR ID	22944				
Comment Code					
Inspector Comment					
FS_ID:14332 DS_ID:22944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an unknown material sleeved through a 12-inch pipe of an unknown material through the levee, 9.5 feet below the crown. Flap gate located on the waterside (WS). Pipe open on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM 2.27)]. FS Date: 5/29/2013					

LM Start	2.22	Rating **	M	Issue No.	402 (cont)
LM End	2.22	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14332_23582.jpg



Pump at location of pipe on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14332_23581.jpg



Pipe next to pump at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	402 (cont)	
LM End	2.22	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.501690 °	39.501690 °	
				-122.006099 °	-122.006099 °	
DWR ID	22944					
Comment Code						
Inspector Comment						
FS_ID:14332 DS_ID:22944 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 8-inch drainage pipe of an unknown material sleeved through a 12-inch pipe of an unknown material through the levee, 9.5 feet below the crown. Flap gate located on the waterside (WS). Pipe open on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 140, May 1960, (HLM 2.27)]. FS Date: 5/29/2013						

Photo 3 of 3 : UCIP_FA_2018_14332_23580.jpg



8-inch pipe sleeved through a 12-inch concrete pipe.

LM Start	3.04	Rating **	M	Issue No.	45
LM End	3.04	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.512914 °	39.512914 °
				-122.009063 °	-122.009063 °
DWR ID	DWR_LD0001G_01_s_2014_45				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings pile at the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.13	Rating **	M	Issue No.	403
LM End	3.13	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.513835 °	39.513835 °
				-122.010029 °	-122.010029 °
DWR ID	22901				
Comment Code					
Inspector Comment					
FS_ID:16223 DS_ID:22901 EP_NO: 9575 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Appears to have been abandoned. Need to verify pipe was grouted/abandoned properly. FIELD_STRUCT_DESC: *ABANDONED* 12-inch drainage pipe of an unknown material through the levee, 14 feet below the crown. Flap Gate on the waterside (WS) end. (Automatic Board Order (ABO) issued as Permit No. 9575, 1974 - Franklin Emmett, Bette Lou Dillard Jr., and McIntyre). [Additional Reference(s): DWR Levee Log, 1992]. FS Date: 5/29/2013					

Photo 1 of 2 : UCIP_FA_2018_16223_27343.jpg



Flap gate visible at WS toe.

LM Start	3.13	Rating **	M	Issue No.	403 (cont)
LM End	3.13	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2018_16223_27342.jpg



Flap gate visible at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.19	Rating **	M	Issue No.	16
LM End	3.19	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.514709 °	39.514709 °
				-122.010515 °	-122.010515 °
DWR ID	DWR_LD0001G_01_s_2012_16				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_16_20180905_00007.jpg



View of the pruning pile along the LS toe.

LM Start	3.39	Rating **	M	Issue No.	46
LM End	3.39	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.517389 °	39.517389 °
				-122.010685 °	-122.010685 °
DWR ID	DWR_LD0001G_01_s_2016_46				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_46_20180905_00013.jpg



View of the prunings along the landside slope.

LM Start	3.63	Rating **	M	Issue No.	56
LM End	3.63	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.520623 °	39.520623 °
				-122.010457 °	-122.010457 °
DWR ID	DWR_LD0001G_01_f_2013_56				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_56_20180905_00018.jpg



View of the prunings and limbs along the slope of the levee.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Levee District No. 0001 (Glenn County)

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.98	Rating **	U	Issue No.	404
LM End	3.98	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.524990 °	39.524990 °
				-122.009575 °	-122.009575 °
DWR ID	22904				
Comment Code					
Inspector Comment					
FS_ID:53006 DS_ID:22904 EP_NO: 9572 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/9/2018 No change to the crossing status. Flap gate on WS cannot be fully closed due to a 3-inch pipe through drainage pipe crossing the levee. Water is supplied from a well on LS via 3-inch pipe to the WS for irrigation/drinking purposes. Owner will need to remove obstruction to allow proper flap gate closure. (O.Yakimov - DWR)12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23. (O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch alluminum irrigation line through the pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)]. FS Date: 10/9/2018 3:27:06 PM					

LM Start	3.98	Rating **	U	Issue No.	404 (cont)
LM End	3.98	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53006_78123.jpg



View of levee crown at the crossing.

Photo 2 of 3 : UCIP_FA_2018_53006_78124.jpg



3-inch pipe obstructs flap gate from complete closing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	3.98	Rating **	U	Issue No.	404 (cont)	
LM End	3.98	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.524990 °	39.524990 °	
				-122.009575 °	-122.009575 °	
DWR ID	22904					
Comment Code						
Inspector Comment						
FS_ID:53006 DS_ID:22904 EP_NO: 9572 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/9/2018 No change to the crossing status. Flap gate on WS cannot be fully closed due to a 3-inch pipe through drainage pipe crossing the levee. Water is supplied from a well on LS via 3-inch pipe to the WS for irrigation/drinking purposes. Owner will need to remove obstruction to allow proper flap gate closure. (O.Yakimov - DWR)12/21/2016 Flap gate on WS does not appear to be broken however, flap gate does not fully close due to a 3-inch aluminum pipe sleeve through larger pipe. Need to remove 3-inch pipe in order to have WS flap gate close and to be compliant with Title 23. (O. Magana - DWR UCIP)05/29/2013 Broken flap gate and Concrete headwall on LS toe possibly tilting. Also a 3-inch alluminum irrigation line through the pipe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 18-inch steel drainage pipe through the levee, 7.3 feet below the crown. Flap gate in 6-inch by 6-inch concrete box located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. (18-inch pipe [HLM 4.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9572, 1974 - Henry and Annabel B. Smith). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 4.05)]. FS Date: 10/9/2018 3:27:06 PM						

Photo 3 of 3 : UCIP_FA_2018_53006_78125.jpg



3-inch pipe obstructs flap gate from complete closing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	4.25	Rating **	M	Issue No.	405
LM End	4.25	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.527050 °	39.527050 °
				-122.005247 °	-122.005247 °
DWR ID	22906				
Comment Code					
Inspector Comment					
FS_ID:51284 DS_ID:22906 EP_NO: 1229 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/21/2016 same as last inspection. Crossing has been modified from original permit. Need to contact owner to determine permit number issued for modification and to determine current status of crossing. Crossing has been downgraded from Urgent to Non-Urgent due to no damage observed on levee slopes or crown. (O. Magana - DWR UCIP)05/30/2013 Gate valve broken off in concrete standpipe on WS shoulder. 8-inch aluminum pipe sleeved through pipe prevents closure of 18-inch pipe. All concrete standpipes have been modified or broken. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch concrete (not 18-inch asphalt dipped steel as referenced in permit or USACE O&M manual) irrigation pipe through the levee, 8.6 feet below the crown. Gate valve in concrete well located on the waterside (WS) slope. Pump, service pole, engine, and fuel tank 48-inch, and standpipe are located on the toe of the landside (LS) slope (Permit No. 1229, 1947 - R. T. Miller). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 4.33)]. FS Date: 12/21/2016					

LM Start	4.25	Rating **	M	Issue No.	405 (cont)
LM End	4.25	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_51284_23594.jpg



Pump, standpipe, and gate valve on LS toe.

Photo 2 of 3 : UCIP_FA_2018_51284_23593.jpg



Gate valve in Concrete riser on WSs houlder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	4.25	Rating **	M	Issue No.	405 (cont)	
LM End	4.25	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.527050 °	39.527050 °	
				-122.005247 °	-122.005247 °	
DWR ID	22906					
Comment Code						
Inspector Comment						
FS_ID:51284 DS_ID:22906 EP_NO: 1229 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 12/21/2016 same as last inspection. Crossing has been modified from original permit. Need to contact owner to determine permit number issued for modification and to determine current status of crossing. Crossing has been downgraded from Urgent to Non-Urgent due to no damage observed on levee slopes or crown. (O. Magana - DWR UCIP)05/30/2013 Gate valve broken off in concrete standpipe on WS shoulder. 8-inch aluminum pipe sleeved through pipe prevents closure of 18-inch pipe. All concrete standpipes have been modified or broken. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 16-inch concrete (not 18-inch asphalt dipped steel as referenced in permit or USACE O&M manual) irrigation pipe through the levee, 8.6 feet below the crown. Gate valve in concrete well located on the waterside (WS) slope. Pump, service pole, engine, and fuel tank 48-inch, and standpipe are located on the toe of the landside (LS) slope (Permit No. 1229, 1947 - R. T. Miller). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 4.33)]. FS Date: 12/21/2016						

Photo 3 of 3 : UCIP_FA_2018_51284_23592.jpg



8-inch pipe sleeved through 16-inch pipe at LS toe.

LM Start	4.37	Rating **	A	Issue No.	59
LM End	4.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.527792 °	39.527792 °
				-122.003268 °	-122.003268 °
DWR ID	DWR_LD0001G_01_f _ 2018_59				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
The vegetation was removed from both slopes.					

Photo 1 of 1 : FA_2018_LD0001G_432_59_20181105_00110.jpg



View of no vegetation on both slopes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee District No. 0001 (Glenn County)

Levee District No. 0001 (Glenn County)

No Photos

View of the vegetation along the waterside slope and toe.

View of the fence along the landside toe.

Page 23 of 56

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	5.77	Rating **	M	Issue No.	70
LM End	5.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.544087 °	39.544087 °
				-122.000863 °	-122.000863 °
DWR ID	DWR_LD0001G_01_s_2018_70				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the landside slope.					

Photo 1 of 1 : FA_2018_LD0001G_432_70_20180905_00026.jpg



View of the rodent holes along the landside slope.

LM Start	5.90	Rating **	M	Issue No.	54
LM End	5.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.545992 °	39.545992 °
				-122.001180 °	-122.001180 °
DWR ID	DWR_LD0001G_01_f_2014_54				
Comment Code					
PR : Prunings					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_54_20180905_00017.jpg



View of the prunings along the landside toe.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.18	Rating **	M	Issue No.	406
LM End	6.18	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP Field Study		39.549911 °	39.549911 °	
			-122.002102 °	-122.002102 °	

DWR ID	22911
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Comment Code	
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Inspector Comment	
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FS_ID:14352
DS_ID:22911
EP_NO: 5118
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: New gasoline markers should be installed as existing signage has been sun faded
FIELD_STRUCT_DESC: 1 of 2: 12.75-inch high pressure gas pipeline of an unknown material through the levee, 3 feet below the crown.
(Permit No. 5118, 1965 - PG&E). [Additional Reference(s): DWR Levee Log, 1992].
FS Date: 5/30/2013

LM Start	6.18	Rating **	M	Issue No.	406 (cont)
LM End	6.18	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_14352_23609.jpg



Gasline flags on LS slope.

Photo 2 of 2 : UCIP_FA_2018_14352_23608.jpg



Gasline sign on WS shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.18	Rating **	M	Issue No.	407	
LM End	6.18	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.549938 °	39.549938 °	
				-122.002110 °	-122.002110 °	
DWR ID	22937					
Comment Code						
Inspector Comment						
FS_ID:16224						
DS_ID:22937						
EP_NO: 5118						
Repair Type: Non-Urgent						
Crossing Status: Indicator Found						
UCIP Comments: Pipe needs new gasline markers as sign on WS shoulder is sunbleached and cannot be read.						
FIELD_STRUCT_DESC: 2 of 2: 12.75-inch high pressure gas pipeline of an unknown material through the levee, 3 feet below the crown. Gas line sign on the waterside (WS) shoulder. (Permit No. 5118, 1965 - PG&E). [Additional Reference(s): DWR Levee Log, 1992].						
FS Date: 5/30/2013						

Photo 1 of 1 : UCIP_FA_2018_16224_27345.jpg



Gasline sign on WS shoulder.

LM Start	6.22	Rating **	M	Issue No.	47
LM End	6.22	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550533 °	39.550533 °
				-122.002319 °	-122.002319 °
DWR ID	DWR_LD0001G_01_s_2014_47				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_47_20180905_00014.jpg



View of the rodent activity along the LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.24	Rating **	M	Issue No.	76
LM End	6.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.550725 °	39.550725 °
				-122.002370 °	-122.002370 °
DWR ID	DWR_LD0001G_01_f_2016_76				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_76_20180905_00030.jpg



View of the rodent holes along the landside slope.

LM Start	6.38	Rating **	A/W	Issue No.	10
LM End	6.64	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.552691 °	39.556459 °
				-122.003063 °	-122.003831 °
DWR ID	DWR_LD0001G_01_s_2012_10				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_10_20180905_00005.jpg



View of the Army Corps of Engineers mitigation site.

LM Start	6.65	Rating **	U	Issue No.	69
LM End	7.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.556556 °	39.572335 °
				-122.003868 °	-122.004690 °
DWR ID	DWR_LD0001G_01_s_2016_69				
Comment Code					
DT : Ditch					
Inspector Comment					
Concrete lined and earthen ditch/canal at LS toe.					

Photo 1 of 2 : FA_2018_LD0001G_432_69_20180905_00024.jpg



View of the ag ditch looking downstream.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.65	Rating **	U	Issue No.	69 (cont)	
LM End	7.75	Issue Type +	En	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.556556 °		39.572335 °
				-122.003868 °		-122.004690 °
DWR ID	DWR_LD0001G_01_s_2016_69					
Comment Code						
DT : Ditch						
Inspector Comment						
Concrete lined and earthen ditch/canal at LS toe.						

Photo 2 of 2 : FA_2018_LD0001G_432_69_20180905_00025.jpg



Another view of the ag ditch looking upstream.

LM Start	6.73	Rating **	M	Issue No.	408
LM End	6.73	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.557721 °	39.557721 °
				-122.004267 °	-122.004267 °
DWR ID	22915				
Comment Code					
Inspector Comment					
FS_ID:14373 DS_ID:22915 EP_NO: 1443A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned, but need to verify if it was abandoned properly. FIELD_STRUCT_DESC: 36-inch concrete encased irrigation pipe through the levee, 9 feet below the crown. Steel plate welded over pipe at the landside (LS) toe. 3-inch steel vent pipe on the LS toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 6.83)]. FS Date: 5/30/2013					

Photo 1 of 2 : UCIP_FA_2018_14373_23655.jpg



Pipe with steel plate welded over end on LS of levee crown.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.73	Rating **	M	Issue No.	408 (cont)	
LM End	6.73	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.557721 °	39.557721 °	
				-122.004267 °	-122.004267 °	
DWR ID	22915					
Comment Code						
Inspector Comment						
FS_ID:14373 DS_ID:22915 EP_NO: 1443A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe abandoned, but need to verify if it was abandoned properly. FIELD_STRUCT_DESC: 36-inch concrete encased irrigation pipe through the levee, 9 feet below the crown. Steel plate welded over pipe at the landside (LS) toe. 3-inch steel vent pipe on the LS toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 6.83)]. FS Date: 5/30/2013						

Photo 2 of 2 : UCIP_FA_2018_14373_23654.jpg



Pipe with steel plate welded over end on LS of levee crown.

LM Start	6.90	Rating **	M	Issue No.	409	
LM End	6.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.560072 °	39.560072 °	
				-122.005039 °	-122.005039 °	
DWR ID	22917					
Comment Code						
Inspector Comment						
FS_ID:14384 DS_ID:22917 EP_NO: 9702 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: 20-inch concrete encased steel irrigation pipe through the levee, 7.2 feet below the crown. Slant pump located on the waterside (WS) bank. Slide gate in 36-inch concrete standpipe on the WS berm. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9702, 1974 - Joe and Mary Bertapelle). [Additional Reference(s): DWR Levee Log, 1992, 24-inch corrugated metal pipe listed. USACE Sacramento O&M Manual 140, May 1960, (HLM 7.01), 24-inch pipe listed]. FS Date: 5/30/2013						

Photo 1 of 3 : UCIP_FA_2018_14384_23664.jpg



Pipe on LS toe with concrete standpipe visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	6.90	Rating **	M	Issue No.	409 (cont)	
LM End	6.90	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP Field Study			39.560072 °	39.560072 °	
				-122.005039 °	-122.005039 °	
DWR ID	22917					
Comment Code						
Inspector Comment						
FS_ID:14384 DS_ID:22917 EP_NO: 9702 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Abandoned and should be done so properly. FIELD_STRUCT_DESC: 20-inch concrete encased steel irrigation pipe through the levee, 7.2 feet below the crown. Slant pump located on the waterside (WS) bank. Slide gate in 36-inch concrete standpipe on the WS berm. (24-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9702, 1974 - Joe and Mary Bertapelle). [Additional Reference(s): DWR Levee Log, 1992, 24-inch corrugated metal pipe listed. USACE Sacramento O&M Manual 140, May 1960, (HLM 7.01), 24-inch pipe listed]. FS Date: 5/30/2013						

LM Start	6.90	Rating **	M	Issue No.	409 (cont)
LM End	6.90	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_14384_23663.jpg



Slide gate in 36-inch CMP standpipe on WS slope

Photo 3 of 3 : UCIP_FA_2018_14384_23662.jpg



Concrete standpipe off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.05	Rating **	M	Issue No.	20
LM End	8.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.576580 °	39.578187 °
				-122.004962 °	-122.005218 °
DWR ID	DWR_LD0001G_01_s_2012_20				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_20_20180905_00008.jpg



View of the trees and vegetation along the waterside slope of the levee.

LM Start	8.47	Rating **	M	Issue No.	410
LM End	8.47	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.582275 °	39.582275 °
				-122.007449 °	-122.007449 °
DWR ID	22918				
Comment Code					
Inspector Comment					
FS_ID:53341 DS_ID:22918 EP_NO: 9563 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Pipe is open on both ends and damaged on WS. Recommended grouting in place. Crossing downgraded to "Non-Urgent" due to pipe location above floodplain. (O.Yakimov - DWR)12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)]. FS Date: 10/9/2018 3:57:00 PM					

Photo 1 of 3 : UCIP_FA_2018_53341_23668.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.47	Rating **	M	Issue No.	410 (cont)	
LM End	8.47	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.582275 °	39.582275 °	
				-122.007449 °	-122.007449 °	
DWR ID	22918					
Comment Code						
Inspector Comment						
FS_ID:53341 DS_ID:22918 EP_NO: 9563 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Pipe is open on both ends and damaged on WS. Recommended grouting in place. Crossing downgraded to "Non-Urgent" due to pipe location above floodplain. (O.Yakimov - DWR)12/21/2016 same as last inspection crossing is opened on both ends and damaged on WS slope is visible. According to LMA representative, Nick Henning, pipe appears to be abandoned. (O. Magana - DWR UCIP)05/31/2013 Pipe open on both ends and damaged on WS slope. Pipe should be abandoned properly if appropriate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: *ABANDONED* 12-inch steel drainage pipe through levee, 5 feet below crown. Pipe open on both waterside (WS) and landside (LS) ends. One corrugated metal cutoff wall. (12-inch pipe [HLM 8.6] authorized under Automatic Board Order (ABO) No. 9563, 1974 - County of Glenn). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 8.60)]. FS Date: 10/9/2018 3:57:00 PM						

LM Start	8.47	Rating **	M	Issue No.	410 (cont)
LM End	8.47	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_53341_23667.jpg



Pipe on LS slope.

Photo 3 of 3 : UCIP_FA_2018_53341_23666.jpg



Pipe on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.83	Rating **	M	Issue No.	411	
LM End	8.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.587028 °	39.587028 °	
				-122.005609 °	-122.005609 °	
DWR ID	23147					
Comment Code						
Inspector Comment						
FS_ID:16204 DS_ID:23147 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if this passes completely through levee and what Permit No. was issued for it. FIELD_STRUCT_DESC: 1.5-inch galvanized iron irrigation pipe through the levee, 6 feet below the crown. 1-inch polyvinyl chloride irrigation line sleeved through this conduit. FS Date: 5/31/2013						

LM Start	8.83	Rating **	M	Issue No.	411 (cont)
LM End	8.83	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_16204_27330.jpg



Pipe visible next to well with bucket over standpipe.

Photo 2 of 3 : UCIP_FA_2018_16204_27329.jpg



Pipe visible next to well with bucket over standpipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	8.83	Rating **	M	Issue No.	411 (cont)
LM End	8.83	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.587028 °	39.587028 °
				-122.005609 °	-122.005609 °
DWR ID	23147				
Comment Code					
Inspector Comment					
FS_ID:16204 DS_ID:23147 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if this passes completely through levee and what Permit No. was issued for it. FIELD_STRUCT_DESC: 1.5-inch galvanized iron irrigation pipe through the levee, 6 feet below the crown. 1-inch polyvinyl chloride irrigation line sleeved through this conduit. FS Date: 5/31/2013					

Photo 3 of 3 : UCIP_FA_2018_16204_27328.jpg



Pipe debris on WS slope may be indicator of pipe location on WS.

LM Start	9.49	Rating **	M	Issue No.	412
LM End	9.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.596012 °	39.596012 °
				-122.002638 °	-122.002638 °
DWR ID	22920				
Comment Code					
Inspector Comment					
FS_ID:14389 DS_ID:22920 EP_NO: 9560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy rust along springline of pipe. Pipe has slight deformation at centerline of levee, not noticable on crown. FIELD_STRUCT_DESC: 72-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 8-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (72-inch pipe [HLM 9.64]authorized under Automatic Board Order (ABO) issued as Permit No. 9560, 1974 - John and Lena Friesen). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 9.64)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP_FA_2018_14389_23686.jpg



Pipe and headwall at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.49	Rating **	M	Issue No.	412 (cont)	
LM End	9.49	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.596012 °	39.596012 °	
				-122.002638 °	-122.002638 °	
DWR ID	22920					
Comment Code						
Inspector Comment						
FS_ID:14389 DS_ID:22920 EP_NO: 9560 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Heavy rust along springline of pipe. Pipe has slight deformation at centerline of levee, not noticable on crown. FIELD_STRUCT_DESC: 72-inch corrugated metal drainage pipe through the levee, 15 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 8-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (72-inch pipe [HLM 9.64]authorized under Automatic Board Order (ABO) issued as Permit No. 9560, 1974 - John and Lena Friesen). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 9.64)]. FS Date: 5/31/2013						

LM Start	9.49	Rating **	M	Issue No.	412 (cont)
LM End	9.49	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_14389_23685.jpg



Slide gate in 8-foot diameter CMP riser on WS slope.

Photo 3 of 3 : UCIP_FA_2018_14389_23684.jpg



Flap gate and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.50	Rating **	A/W	Issue No.	8
LM End	10.40	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.596192 °	39.607288 °
				-122.002573 °	-121.994565 °
DWR ID	DWR_LD0001G_01_s_2012_8				
Comment Code					
V8 : Environmental Requirements.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_8_20180905_00004.jpg



View of the Army Corps of Engineers mitigation site.

LM Start	9.54	Rating **	M	Issue No.	11
LM End	9.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.596705 °	39.598066 °
				-122.002247 °	-122.001704 °
DWR ID	DWR_LD0001G_01_s_2012_11				
Comment Code					
DE : Debris					
Inspector Comment					
Landscaping materials: mulch, wood chips, rock baskets, stacks of pavestones					

Photo 1 of 1 : FA_2018_LD0001G_432_11_20180905_00006.jpg



View of debris along the toe of the levee.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.91	Rating **	A/W	Issue No.	413	
LM End	9.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.601470 °		39.601470 °
				-121.999501 °		-121.999501 °
DWR ID	22921					
Comment Code						
Inspector Comment						
FS_ID:14390						
DS_ID:22921						
EP_NO: 9559						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments:						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 10.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9559, 1974 - David and Mary Giesbrecht). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.05)].						
FS Date: 5/31/2013						

LM Start	9.91	Rating **	A/W	Issue No.	413 (cont)
LM End	9.91	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14390_23690.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2018_14390_23689.jpg



Concrete headwall and pipe at LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.91	Rating **	A/W	Issue No.	413 (cont)
LM End	9.91	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.601470 °	39.601470 °
				-121.999501 °	-121.999501 °
DWR ID	22921				
Comment Code					
Inspector Comment					
FS_ID:14390 DS_ID:22921 EP_NO: 9559 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 10.05] authorized under Automatic Board Order (ABO) issued as Permit No. 9559, 1974 - David and Mary Giesbrecht). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.05)]. FS Date: 5/31/2013					

Photo 3 of 3 : UCIP_FA_2018_14390_23688.jpg



Erosion around headwall at LS toe.

LM Start	9.93	Rating **	A/W	Issue No.	414	
LM End	9.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.601659 °	39.601659 °	
				-121.999209 °	-121.999209 °	
DWR ID	22922					
Comment Code						
Inspector Comment						
FS_ID:14559 DS_ID:22922 EP_NO: 9558 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Two corrugated metal cutoff walls. Concrete headwalls on both ends. (24-inch pipe [HLM 10.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9558, 1974 - Duard Geis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.08)]. FS Date: 5/31/2013 8:43:01 AM						

Photo 1 of 3 : UCIP_FA_2018_14559_23986.jpg



Pipe and headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	9.93	Rating **	A/W	Issue No.	414 (cont)	
LM End	9.93	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.601659 °	39.601659 °	
				-121.999209 °	-121.999209 °	
DWR ID	22922					
Comment Code						
Inspector Comment						
FS_ID:14559 DS_ID:22922 EP_NO: 9558 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate located on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Two corrugated metal cutoff walls. Concrete headwalls on both ends. (24-inch pipe [HLM 10.08] authorized under Automatic Board Order (ABO) issued as Permit No. 9558, 1974 - Duard Geis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.08)]. FS Date: 5/31/2013 8:43:01 AM						

Photo 2 of 3 : UCIP_FA_2018_14559_23985.jpg



Slide gate in 36-inch CMP riser on WS slope.

LM Start	9.93	Rating **	A/W	Issue No.	414 (cont)
LM End	9.93	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2018_14559_23984.jpg



Pipe, flapgate, and headwall on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.20	Rating **	M	Issue No.	415	
LM End	10.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.604696 °	39.604696 °	
				-121.996265 °	-121.996265 °	
DWR ID	23148					
Comment Code						
Inspector Comment						
FS_ID:16205						
DS_ID:23148						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine Permit No. for crossing.						
FIELD_STRUCT_DESC: 6-inch steel irrigation conduit through the						
levee, 8 inches below the crown. Pump, vent, filter, and siphon breaker						
on the landside (LS) toe. 4-inch polyvinyl chloride irrigation line sleeved						
through conduit for vegetation rehabilitation on the waterside (WS)						
slope.						
FS Date: 5/31/2013						

LM Start	10.20	Rating **	M	Issue No.	415 (cont)
LM End	10.20	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2018_16205_27333.jpg



Pump with siphon breaker, vent and filter on LS toe.

Photo 2 of 3 : UCIP_FA_2018_16205_27332.jpg



Pipe on LS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.20	Rating **	M	Issue No.	415 (cont)	
LM End	10.20	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.604696 °	39.604696 °	
				-121.996265 °	-121.996265 °	
DWR ID	23148					
Comment Code						
Inspector Comment						
FS_ID:16205						
DS_ID:23148						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine Permit No. for Crossing.						
FIELD_STRUCT_DESC: 6-inch steel irrigation conduit through the levee, 8 inches below the crown. Pump, vent, filter, and siphon breaker on the landside (LS) toe. 4-inch polyvinyl chloride irrigation line sleeved through conduit for vegetation rehabilitation on the waterside (WS) slope.						
FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_16205_27331.jpg



Cover over pipe on WS berm.

LM Start	10.41	Rating **	M	Issue No.	416	
LM End	10.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.607474 °	39.607474 °	
				-121.994410 °	-121.994410 °	
DWR ID	22923					
Comment Code						
Inspector Comment						
FS_ID:14561						
DS_ID:22923						
EP_NO: 9557						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: This pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 1 of 2: 10-inch irrigation pipe of an unknown material through the levee, 3.7 feet below the crown. Pump on bank. Siphon breaker on the waterside (WS) berm. One corrugated metal cutoff wall. Concrete distribution box at the landside (LS) toe. (10-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9557, 1974 - Robert and Ruth Weis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.56)].						
FS Date: 5/31/2013						

Photo 1 of 3 : UCIP_FA_2018_14561_23989.jpg



Concrete distribution box at LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.41	Rating **	M	Issue No.	416 (cont)	
LM End	10.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			39.607474 °	39.607474 °	
				-121.994410 °	-121.994410 °	
DWR ID	22923					
Comment Code						
Inspector Comment						
FS_ID:14561						
DS_ID:22923						
EP_NO: 9557						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: This pipe appears abandoned and should be done so properly.						
FIELD_STRUCT_DESC: 1 of 2: 10-inch irrigation pipe of an unknown material through the levee, 3.7 feet below the crown. Pump on bank. Siphon breaker on the waterside (WS) berm. One corrugated metal cutoff wall. Concrete distribution box at the landside (LS) toe. (10-inch pipe authorized under Automatic Board Order (ABO) issued as Permit No. 9557, 1974 - Robert and Ruth Weis). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.56)].						
FS Date: 5/31/2013						

LM Start	10.41	Rating **	M	Issue No.	416 (cont)
LM End	10.41	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2018_14561_23988.jpg



Concrete distribution box at LS toe with outlet from pipe through levee.

Photo 3 of 3 : UCIP_FA_2018_14561_23987.jpg



10-inch steel pipe and 1.5-inch electrical conduit on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.41	Rating **	M	Issue No.	417
LM End	10.41	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.607474 °	39.607474 °
				-121.994410 °	-121.994410 °
DWR ID	22938				
Comment Code					
Inspector Comment					
FS_ID:14562					
DS_ID:22938					
EP_NO: 9557					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Abandoned and should be done so properly.					
FIELD_STRUCT_DESC: 2 of 2: 1.5-inch galvanized iron electrical conduit through the levee, 3 feet below the crown. (Automatic Board Order (ABO) issued as Permit No. 9557, 1974 - Robert and Ruth Weis).					
[Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 10.56)].					
FS Date: 5/31/2013					

LM Start	10.41	Rating **	M	Issue No.	417 (cont)
LM End	10.41	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2018_14562_23991.jpg



Source at JP next to concrete distribution box at LS toe.

Photo 2 of 2 : UCIP_FA_2018_14562_23990.jpg



Pipe visible off WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	418	
LM End	10.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.607688 °	39.607688 °	
				-121.994278 °	-121.994278 °	
DWR ID	22924					
Comment Code						
Inspector Comment						
FS_ID:53340 DS_ID:22924 EP_NO: 9556 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Large rock at the bottom of CMP riser obstructs slide gate from completely closing. Pipe is rusted through at WS end. Recommend internal inspection to determine condition of pipe through levee, and to clean the inside of CMP riser for proper slide gate function. (O.Yakimov - DWR)12/21/2016 same as last inspection flap gate disabled in open position. Surface erosion observed on LS slope. Recommend repair on WS flap gate to be able to close flap gate. (O. Magana - DWR UCIP)05/31/2013 Flap gate dissabled in open position. Pipe rusted through at WS toe upstream of Flapgate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below crown. Flap gate is located on the waterside (WS) end. Slide gate is inside a corrugated metal pipe (CMP) riser located on the WS slope. Two CM cutoff walls. Concrete headwall is located on LS and under outlet at the WS toe. (24-inch pipe [HLM 10.59] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - E. R & M. R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 10.59)]. FS Date: 10/9/2018 4:05:00 PM						

LM Start	10.43	Rating **	U	Issue No.	418 (cont)
LM End	10.43	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_53340_76411.jpg



View of WS.

Photo 2 of 3 : UCIP_FA_2018_53340_78135.jpg



Water-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	10.43	Rating **	U	Issue No.	418 (cont)	
LM End	10.43	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.607688 °	39.607688 °	
				-121.994278 °	-121.994278 °	
DWR ID	22924					
Comment Code						
Inspector Comment						
FS_ID:53340 DS_ID:22924 EP_NO: 9556 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/9/2018 Large rock at the bottom of CMP riser obstructs slide gate from completely closing. Pipe is rusted through at WS end. Recommend internal inspection to determine condition of pipe through levee, and to clean the inside of CMP riser for proper slide gate function. (O.Yakimov - DWR)12/21/2016 same as last inspection flap gate disabled in open position. Surface erosion observed on LS slope. Recommend repair on WS flap gate to be able to close flap gate. (O. Magana - DWR UCIP)05/31/2013 Flap gate dissabled in open position. Pipe rusted through at WS toe upstream of Flapgate. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through levee, 15 feet below crown. Flap gate is located on the waterside (WS) end. Slide gate is inside a corrugated metal pipe (CMP) riser located on the WS slope. Two CM cutoff walls. Concrete headwall is located on LS and under outlet at the WS toe. (24-inch pipe [HLM 10.59] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - E. R & M. R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 140, May 1960, (HLM 10.59)]. FS Date: 10/9/2018 4:05:00 PM						

Photo 3 of 3 : UCIP_FA_2018_53340_78136.jpg



Drainage channel on LS.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	419
LM End	11.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.616041 °	39.616041 °
				-121.994450 °	-121.994450 °
DWR ID	22925				
Comment Code					
Inspector Comment					
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013					

LM Start	11.02	Rating **	A/W	Issue No.	419 (cont)
LM End	11.02	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14565_24009.jpg



Drainage ditch on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14565_24008.jpg



Slide gate in 60-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.02	Rating **	A/W	Issue No.	419 (cont)
LM End	11.02	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.616041 °	39.616041 °
				-121.994450 °	-121.994450 °
DWR ID	22925				
Comment Code					
Inspector Comment					
FS_ID:14565 DS_ID:22925 EP_NO: 9556 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Flap gate on the waterside (WS) end. Concrete headwall on both ends. Slide gate in 60-inch diameter corrugated metal riser unit on the WS slope (48-inch pipe [HLM 11.17] authorized under Automatic Board Order (ABO) issued as Permit No. 9556, 1974 - Earl R. and Merrit R. Cooper). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.17)]. FS Date: 5/31/2013					

Photo 3 of 3 : UCIP_FA_2018_14565_24007.jpg



Flap gate and concrete headwall on WS toe.

LM Start	11.10	Rating **	M	Issue No.	66
LM End	11.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.617252 °	39.618192 °
				-121.994605 °	-121.995609 °
DWR ID	DWR_LD0001G_01_f_2015_66				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Repair the rodent holes along the waterside slope.					

Photo 1 of 1 : FA_2018_LD0001G_432_66_20180905_00021.jpg



View of the rodent holes along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.51	Rating **	M	Issue No.	48
LM End	11.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.622083 °	39.622821 °
				-121.998858 °	-121.999244 °
DWR ID	DWR_LD0001G_01_s_2014_48				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2018_LD0001G_432_48_20180905_00015.jpg



View of the rodent activity along the waterside slope.

LM Start	11.64	Rating **	A/W	Issue No.	420
LM End	11.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.623874 °	39.623874 °
				-121.999813 °	-121.999813 °
DWR ID	22926				
Comment Code					
Inspector Comment					
FS_ID:14566 DS_ID:22926 EP_NO: 9555 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.81] authorized under Automatic Board Order (ABO) issued as Permit No. 9555, 1974 - F. S. Reager). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.81)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP_FA_2018_14566_24013.jpg



Concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.64	Rating **	A/W	Issue No.	420 (cont)	
LM End	11.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.623874 °		39.623874 °
				-121.999813 °		-121.999813 °
DWR ID	22926					
Comment Code						
Inspector Comment						
FS_ID:14566 DS_ID:22926 EP_NO: 9555 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 8.5 feet below the crown. Flap gate on the waterside (WS) slope. Concrete U-shaped headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.81] authorized under Automatic Board Order (ABO) issued as Permit No. 9555, 1974 - F. S. Reager). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.81)]. FS Date: 5/31/2013						

LM Start	11.64	Rating **	A/W	Issue No.	420 (cont)
LM End	11.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_14566_24012.jpg



Slide gate in 36-inch CMP riser on WS slope.

Photo 3 of 3 : UCIP_FA_2018_14566_24011.jpg



Concrete headwall and flapgate on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.66	Rating **	M	Issue No.	79
LM End	11.66	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624112 °	39.624112 °
				-121.999933 °	-121.999933 °
DWR ID	DWR_LD0001G_01_f _ 2016_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Rodent holes on the landside slope and crown.					

Photo 1 of 2 : FA_2018_LD0001G_432_79_20180905_00032.jpg



View of the rodent holes along the landside slope with large hammer sitting in the hole.

LM Start	11.66	Rating **	M	Issue No.	79 (cont)
LM End	11.66	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : FA_2018_LD0001G_432_79_20180905_00033.jpg



Another view of the rodent holes along the landside slope with a large hammer sitting next to the hole.

LM Start	11.67	Rating **	M	Issue No.	42
LM End	11.79	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.624171 °	39.625823 °
				-121.999967 °	-122.000834 °
DWR ID	DWR_LD0001G_01_s_2012_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.76	Rating **	M	Issue No.	421
LM End	11.76	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.625463 °	39.625463 °
				-122.000658 °	-122.000658 °
DWR ID	22927				
Comment Code					
Inspector Comment					
FS_ID:14567 DS_ID:22927 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion and sloughing on LS slope possibly due to rodent activity in area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. 48-inch concrete standpipe on the landside (LS) toe. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.93] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.93)]. FS Date: 5/31/2013					

LM Start	11.76	Rating **	M	Issue No.	421 (cont)
LM End	11.76	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14567_24017.jpg



Concrete standpipe on LS toe.

Photo 2 of 3 : UCIP_FA_2018_14567_24016.jpg



Slide gate in CMP riser on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.76	Rating **	M	Issue No.	421 (cont)	
LM End	11.76	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.625463 °	39.625463 °	
				-122.000658 °	-122.000658 °	
DWR ID	22927					
Comment Code						
Inspector Comment						
FS_ID:14567 DS_ID:22927 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Erosion and sloughing on LS slope possibly due to rodent activity in area. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 11 feet below the crown. Slide gate in 36-inch corrugated metal riser unit on the waterside (WS) slope. 48-inch concrete standpipe on the landside (LS) toe. Two corrugated metal cutoff walls. (24-inch pipe [HLM 11.93] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 11.93)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14567_24015.jpg



Erosion and sloughing on LS slope possibly due to rodent activity.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.87	Rating **	M	Issue No.	422	
LM End	11.87	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			39.626918 °	39.626918 °	
				-122.001421 °	-122.001421 °	
DWR ID	22928					
Comment Code						
Inspector Comment						
FS_ID:14569						
DS_ID:22928						
EP_NO: 9554						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Flap gate heavily corroded. Good candidate for video inspection. Vegetation interfering with inlet.						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [12.04] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.04)].						
FS Date: 5/31/2013						

LM Start	11.87	Rating **	M	Issue No.	422 (cont)
LM End	11.87	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2018_14569_24026.jpg



Slidegate in 36-inch CMP riser on WS slope.

Photo 2 of 3 : UCIP_FA_2018_14569_24025.jpg



Drainage channel on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	11.87	Rating **	M	Issue No.	422 (cont)
LM End	11.87	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.626918 °	39.626918 °
				-122.001421 °	-122.001421 °
DWR ID	22928				
Comment Code					
Inspector Comment					
FS_ID:14569 DS_ID:22928 EP_NO: 9554 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate heavily corroded. Good candidate for video inspection. Vegetation interfering with inlet. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal pipe riser unit on the WS slope. Concrete headwalls on both ends. Two corrugated metal cutoff walls. (24-inch pipe [12.04] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.04)]. FS Date: 5/31/2013					

Photo 3 of 3 : UCIP_FA_2018_14569_24024.jpg



Headwall and flapgate on WS toe.

LM Start	11.91	Rating **	M	Issue No.	44
LM End	11.97	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.627423 °	39.628278 °
				-122.001562 °	-122.001818 °
DWR ID	DWR_LD0001G_01_s_2012_44				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					
Elderberries partially block visibility.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	12.13	Rating **	A/W	Issue No.	423
LM End	12.13	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			39.630451 °	39.630451 °
				-122.002737 °	-122.002737 °
DWR ID	22929				
Comment Code					
Inspector Comment					
FS_ID:14570 DS_ID:22929 EP_NO: 9554 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete U-shaped headwalls on both ends. (24-inch pipe [HLM 12.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.29)]. FS Date: 5/31/2013					

Photo 1 of 3 : UCIP_FA_2018_14570_24029.jpg



Flapgate and U-shaped concrete headwall on WS toe.

LM Start	12.13	Rating **	A/W	Issue No.	423 (cont)
LM End	12.13	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2018_14570_24028.jpg



Slidegate in 36-inch CMP riser on WS slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2018

Levee District No. 0001 (Glenn County)

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	12.23	09/25/2018 09/25/2018	Bob Duffey

LM Start	12.13	Rating **	A/W	Issue No.	423 (cont)	
LM End	12.13	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			39.630451 °		39.630451 °
				-122.002737 °		-122.002737 °
DWR ID	22929					
Comment Code						
Inspector Comment						
FS_ID:14570 DS_ID:22929 EP_NO: 9554 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate on the waterside (WS) end. Slide gate in 36-inch corrugated metal riser unit on the WS slope. Concrete U-shaped headwalls on both ends. (24-inch pipe [HLM 12.29] authorized under Automatic Board Order (ABO) issued as Permit No. 9554, 1974 - Thomas H. Reed). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 140, May 1960, (HLM 12.29)]. FS Date: 5/31/2013						

Photo 3 of 3 : UCIP_FA_2018_14570_24027.jpg



U-shaped concrete headwall on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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